

Reference 7: Japanese Patent Application Laid Open No. H11-194481

Title of the Invention: Pellicle Mounting Structure

Filing Date: December 26, 1997

Applicant: Oki Electric Industry Co., Ltd.

Extract:

See a leaf spring 8. The Examiner recognizes that it corresponds to the retainer 40 in the present application.

PATENT ABSTRACTS OF JAPAN

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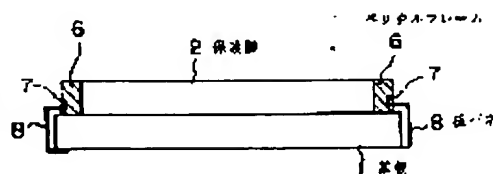
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(54) PELLICLE MOUNTING STRUCTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To eliminate distortion of a substrate at the time of mounting and intrusion of foreign matters and further to reuse a pellicle by utilizing the grooves on the pellicle frame, leaf springs and detaining parts having pawls at the front end.

SOLUTION: The pellicle frame 6 is provided with grooves 7 on its flanks, and the leaf springs 8 formed of metals, etc., to a U shape engage with these grooves 7. Mounting of the pellicle consisting of a protective film 2 and the pellicle frame 6 on a substrate 1 is executed by aligning the pellicle and the substrate 1 and engaging plural pieces of the leaf springs 8 with the grooves 7 so as to press the leaf springs to the lower parts of the edges of the substrate 1. Since the leaf springs are used without using an adhesive in such a manner, the pressure is dispersed and distortion of the substrate at the time of mounting the pellicle does not arise. Since there is no clearance between the pellicle frame and the substrate, the problem of intrusion of foreign matters does not occur. Further, reutilization of the pellicle is possible if the leaf springs are removed.



LEGAL STATUS

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